



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

K-1970

1651
#8A
12/3/02

Applicant : Takahiro Imada et al.

Title : SYMBIOTIC FUNGUS

Serial No. : 09/824,590

Filed : April 3, 2001

Group Art Unit : 1651

Examiner : Irene Marx

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Hon. Director of Patents and Trademarks
Washington, D. C. 20231

November 22, 2002

AMENDMENT

Sir:

In response to the Office Action of August 29, 2002, please amend the application, as follows:

IN THE SPECIFICATION

Delete paragraph 0003, and add, as follows:

A1
[0003] A symbiotic fungus, i.e. an endophyte, is a filamentous fungus which lives in plant tissue, and it is know that the plants infected by such filamentous fungus have improved resistance to pests, resistance to disease, better growth rate, and resistance to environmental stresses such as heat and dryness, as compared with individuals which are not so infected. Thus, artificial infection with an endophyte leads to an improvement of plant characteristics.

Delete paragraph 0014, and add, as follows:

A2
B27
[0014] According to one aspect of this invention, there is provided a symbiotic fungus comprising a filamentous fungus whose final metabolic product is chanoclavine. The symbiotic fungus meant here may belong to the genus Neotyphodium. The symbiotic fungus may also be one, two or more types of fungi deposited at the Japanese National